



Cover Page



## A COMPARATIVE STUDY OF TEACHING METHOD USING ARTIFICIAL INTELLIGENCE

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**Abstract:** Additional schools in USA have become aware of and acknowledge teaching research. In comparison to earlier spoon-feeding methods of teaching, the studies of education focusses on learning via action, involvement, and development planning. This article begins by describing the incident and the necessity of studying teaching, before going into the methodology and problems.

**Keywords:** Research-Based Education, Artificial Intelligence, Instructional Methods, Creativity and Ability.

### 1. INTRODUCTION

Human resources, especially new skills with extensive data, have more tempting in recent years as the information economy has emerged. The study of teaching began at Frank's teacher's college, but it was not until the nineteenth century that serious study of teaching emerged from Berlin University. After a few years, Adams established the Federal Republic of the United States of America's Study of Teaching.

Obviously, good teaching focuses on learning via effort, engagement, and growth planning, as opposed to older spoon-feeding techniques of instruction. Before delving into the methods and issues, this report outlines the incident and the need of studying education. Teaching that is based on research has simply emerged below.

### 2. RESEARCH BASE INSTRUCTIONAL

As an original teaching method, it combines experiments into education and further cultivates students' inventiveness and real concern abilities. The study in educating necessitates lecturers to demonstrate in a style that is quite different from traditional teaching.

The subject of teaching has a number of distinguishing qualities that set it apart from other teaching methods. Teaching studies can also help instructors better connect their leadership roles and students' spatial relationships in the classroom.

- Students must take test quality to join a group in the Study of Teaching. Students need to take extra initiative to attend a category in the Department of Education.
- Students should become completely immersed in analysis subjects. Students would master some in facts and increase their abilities as a result of this.
- On the instruction- method, lecturers encourage students to explore deeply with full discussion among them.
- The heart of the exploratory is that students raise difficulties related to analysis subjects and then work with professors to resolve them.

### 3. METHOD AND ISSUES OF TEACHING STUDIES

A number of teaching methods are frequently used to nurture students' self-learning skills and drive their inventiveness. Teachers will blend these methods based on their individual teaching knowledge and talents. Furthermore, a variety of information technologies, such as transmission and network, are frequently used to assist the study of teaching. Many steps are included in research-based education, and they are as follows:

#### 3.1. Begin your research into teaching.

Teaching materials that give focus on updating and usefulness must be carefully picked for the well-being of intriguing students' passion for cooperating in study of teaching. These items include related books, journals, and a variety of other resources. Meanwhile, instructors should make students aware of their learning objectives. Another important challenge in research-based education is how to help students in identifying relevant analytical subjects that are aligned with course content. Analysis subjects, as indicated in section two, should be current and challenging, and should reflect the evolution of related fields. There are a few approaches to determinant analysis issues.



Cover Page



### 3.2. A conclusion to the teaching research.

Furthermore, professors and students appear to communicate freely and on an equal footing. There will be two sections to the teaching study: in-class and after-class. Academics organize the prior to help pupils stay safe in the classroom. Academics, in their capacity as guides, are responsible for promoting scholars' interests in learning more. When students are assigned to a category, they can request a range of tools to help them learn something about their given subjects, exchange their ideas with their peers, summaries results obtained, and produce summary report. Students must make more difficult decisions in order to effectively acquire materials, such as completing a survey or filling out several forms. In addition, in order to comprehend information.

### 3.3. Studying and Evaluating Education

A scientific and honest analysis technique is necessary in order to validate eminent execution of Study of Teaching, because sound analysis will help students gain information transfer and talent coaching. Following the findings of the gift analysis, scholars will discuss certain concerns and provide recommendations. Academics will assess students' performance in this phase and provide objective feedback. In contrast to old tests, the evaluation in Study of Teaching will encourage students to continue their efforts. Academics should encourage students to undertake extra research and give novel perspectives. Students will post their work if it is possible.

### 3.4. Applications of AI in Education

One such technology that has slowly paved its way inside the world of education is Artificial Intelligence. Who said this technology still belongs merely in the sphere of science fiction? Artificial intelligence is all set to sink its paws into any sector dealing with large portions of data, so why should Education get left out? While the Academic sector is still assumed to be a largely human sector, more human than most, yet that doesn't really reduce the involvement of AI in this sphere. There is still a multitude of ways that teachers and educational staff can gain from employing this technology.

Slowly yet consistently seeping into this sphere AI has slowly begun making its place in the academic sphere, making it more accessible and personalized. The technology has overturned the world of learning as educational materials become more accessible to all with the use of smart devices and computers while also automating all complicated administrative tasks, allowing faculties to invest more time in focusing on their students.

Artificial Intelligence is being employed for personalizing learning for each student. With the employment of the hyper-personalization concept which is enabled through machine learning, the AI technology is incorporated to design a customized learning profile for each individual student and to tailor-make their training materials, taking into consideration the mode of learning preferred by the student, the student's ability and experience on an individual basis.

Teachers can break down their lessons into smaller study guides, smart notes or flashcards in order to help the student in comprehending. With AI assisting in generating digital content, learning is proposed to become more digital and less reliant on paperbacks and hard copies.

### 4. AI Program Use for TEACHING STUDY

AI is a multidisciplinary area that encompasses, among other things, mathematics, technology, and psychological study. Many AI issues may be examined, leading to the logical conclusion that educational research is essential for the course. Professors should first and foremost be well during Analyze AI and keep up with its advancement. Furthermore, the field of study should be edited to meet the needs of teaching courses, and the program's textbooks must stay up with AI advancement.

In addition, relevant analysis items should be providentially picked, which is critical. It's close to where AI is now and poses a problem. The selection of study subjects is all that is required to begin analysis teaching. Over the course of their schooling, students are expected to progress. They'll be called upon on several times to comb through information and respond to specific questions.

Furthermore, it is important to providentially select suitable analytical items. It's a concern since it's so close to where AI is currently. To begin teaching analysis all that is necessary is the selection of study subjects. Students are expected to progress throughout their education. They'll be asked to sift through data and reply to particular questions on many occasions.

Professors, for example, will utilize the case-based technique to offer a real-life game after examining scientific theory. Students will identify problems that pique their interest and discuss those using relevant sources in order to get convincing explanations. They'll also include some intriguing things in their documentation, which will help to tie their research together.



Cover Page



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Other techniques, including as analysis papers, team spirit, speaking, and facial expression interviews, are widely employed in the evaluation of computer science courses here, as they are in other Survey of tracks. All of the measures will aid students in developing a consistent understanding of technology and improving their problem-solving skills.

### 5. CONCLUSION

Study of education is a more efficient teaching strategy than traditional teaching. However, genuine application necessitates students checking with high awareness, and lecturers must own sufficient analytical knowledge to promote students' benefit in established and developed. It's also critical to have a method for selecting novel and difficult research subjects. Of course, being such a student focused should be fully acknowledged in order to pique students' interest. Finally, teaching study provides a number of benefits for teachers and may be used by a variety of faculties.

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